Instructions

GAF® 64R SUPER 8 MOVIE CAMERA

gaf®

GAF Corporation
140 West 51 Street, New York, N.Y. 10020

The numbered arrows on the opposite page indicate the features listed below.

FEATURES

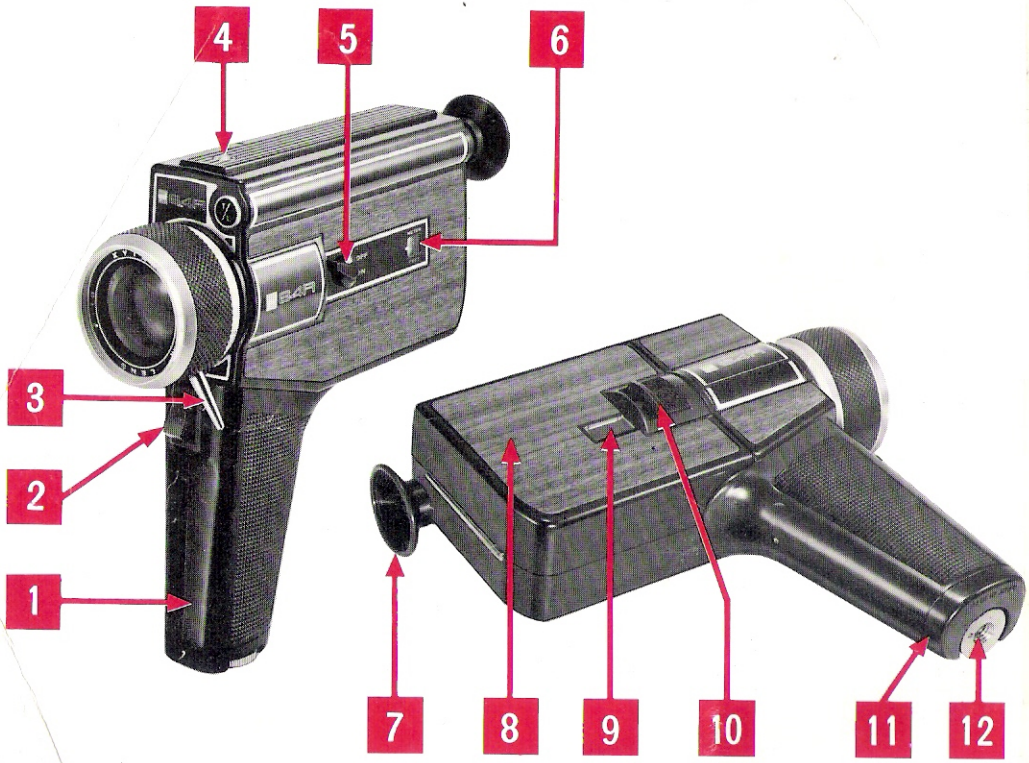
1. Pistol grip
2. Trigger release
3. Zoom handle
4. Movielight socket
5. ON-OFF switch
6. Footage indicator
7. Viewfinder eyepiece
8. Film compartment cover
9. Film-type window
10. Latch for film compartment cover
11. Battery compartment cover
12. Tripod socket

CONDENSED INSTRUCTIONS

Detailed information on page

1. Install batteries for electric eye and motor. 2-3
2. Insert Super 8 film cartridge. 4
3. Turn ON-OFF switch to "On". 6
4. Use zoom handle to adjust subject size and area included in scene shown in viewfinder. 5
5. Check exposure indicator at top left corner of viewfinder. If a red signal does NOT touch the needle, light conditions are suitable for movie-making. Start camera by depressing trigger release. 6

READ ENTIRE BOOKLET FOR DETAILED INFORMATION.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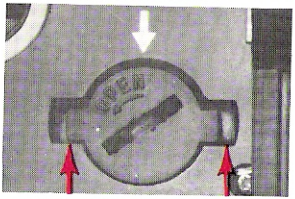

Fig. 1

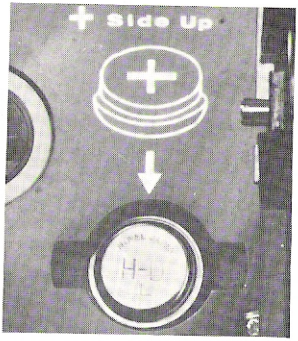

Fig. 2

INSTALLING ELECTRIC-EYE BATTERY

The CdS electric eye is powered by a 1.3 volt mercury battery (Mallory PX 625 or equivalent).

The electric eye battery-well is in the film compartment. Pull back film compartment cover latch, swing open cover.

With a coin, turn battery-well cover counterclockwise, as far as it will go (less than ¼ turn). The two tabs of the cover are now lined up with the corresponding slots in the camera body (Fig. 1). Turn over camera, let cover fall into your palm. Drop battery into opening *with flat (+) side up (Fig. 2)*. Replace battery-well cover and lock it by turning clockwise, as far as it wil go.

Average battery life is one year. To check battery condition, aim camera toward brightly-illuminated object. If battery is good, red underexposure indicator will not show in viewfinder; if it does, replace the battery.

Current is drained only when light enters the camera lens. To prolong life of battery, keep lens cap on when camera is not in use. *Remove lens cap before filming.*

INSTALLING MOTOR BATTERIES

The motor battery compartment cover is on the bottom of the pistol grip. Hold cover and keep turning milled wheel counterclockwise (Fig.3) until cover can be lifted off.

Load battery compartment in pistol grip with two AA size 1.5 volt alkaline batteries. The correct orientation of the plus (+) and minus (—) ends of each battery is shown in diagram just *inside* the battery channels and in Fig. 4.

Replace cover; make sure that it is seated properly before milled wheel is tightened.

IMPORTANT: Clean battery contacts at regular intervals to remove deposits. Wipe both ends of each battery with fine sandpaper or other abrasive material. Since batteries may leak in time, remove them when camera is stored for a prolonged period.

Fig. 3

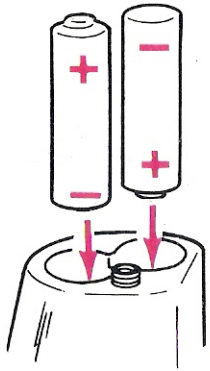

Fig. 4

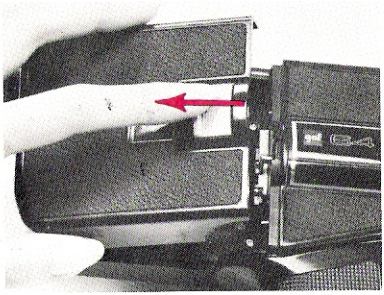

Fig. 5

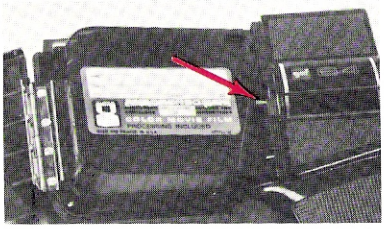

Fig. 6

LOADING THE CAMERA

Pull back latch and swing open film compartment cover (Fig. 5). Insert Super 8 film cartridge, label side up, film toward lens. The notch in the cartridge must be *under* the cartridge-locking pin (Fig. 6). Press down the rear end of the cartridge until it clicks into place (Fig. 7). Close cover firmly. Films with the following ASA speed ratings may be used: daylight 25/tungsten 40 and daylight 100/tungsten 160.

FOOTAGE INDICATOR

The footage indicator shows how many feet or meters of UNEXPOSED film is in the cartridge. All the film in the cartridge has been exposed when the zeros appear opposite the lines.

UNLOADING EXPOSED FILM

When all the film has been exposed, run the camera for an additional 10 seconds, then open the film compartment cover. Remove the cartridge by lifting its rear edge up and out. The word "EXPOSED" now appears on the film.

If a partially exposed cartridge is removed from the camera, some film is lost and the footage indicator returns to 50.
Have the film processed without delay.

USING THE ZOOM LENS

The zoom lens does the work of several separate lenses. It is continuously adjustable from the wide angle to the telephoto setting. The lens is set at "wide angle" when the zoom handle is pulled down as far as it will go. For "telephoto", the zoom handle is raised as far as it will go (Fig 8). The zoom feature is used to control the subject's image size and the area included in the scene. At the wide angle setting the subject's image is the smallest and the surrounding area included is the greatest. From the same camera position the telephoto setting will make the subject largest and reduce the amount of surrounding area. At in-between settings the subject's size and the area covered will vary between the two extremes.

The zoom feature may be utilized in two ways:
1. To control the subject's size in the image, move the zoom handle up and down while the subject is observed in the viewfinder. When the size is right, leave the zoom handle at that setting and start the camera.
2. The subject's image size may be changed while the camera is running. Raise the zoom handle to get a moving-toward-the-subject effect; lower it for a moving-away-from-the-subject effect. Move zoom handle s-l-o-w-l-y.

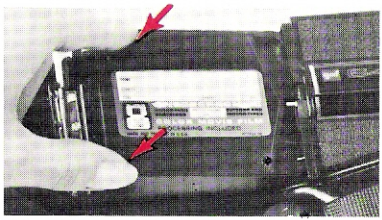

Fig. 7

Fig. 8

USING THE VIEWFINDER

The bright, through-the-lens reflex viewfinder shows each scene as it will appear projected on the screen. Use the viewfinder for viewing only, *do not use it for focusing.*

To adjust the viewfinder to your eye:

1. Pull up zoom handle (to "TELE" position).
2. Turn rubber viewfinder eyecup, first clockwise, then counterclockwise, until the image is sharpest (Fig. 9).

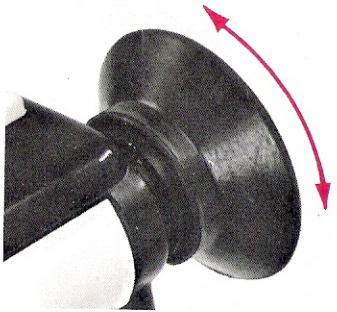

Fig. 9

EXPOSURE

The through-the-lens CdS exposure meter provides completely automatic exposure control. When the light is getting low, a red flag emerges below the needle in the top left corner of the viewfinder. Movies may be made until the red flag reaches the needle (Fig.10). When it does, the light is too low for properly-exposed movies. When the light is getting bright, another red flag emerges from the top of the viewfinder. When that flag reaches the needle (Fig. 11), the light is too bright for properly exposed movies.

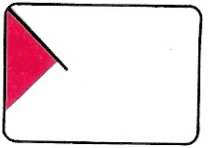

Fig. 10

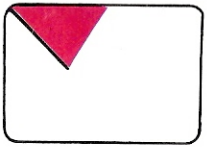

Fig. 11

ON-OFF SWITCH

To operate camera, turn switch on side of camera to "ON". Turn switch to "OFF" when the camera is not being used, to prevent accidental operation.

MAKING MOVIES

To make movies automatically, just aim the camera and depress the trigger release.
No focusing is needed; the lens is set at universal focus. In bright light subjects from about 5 feet to infinity will be in focus at the wide angle setting, from 8 feet to infinity at the telephoto setting. In dim light, objects will be sharp from about 6 feet to infinity at wide angle, and from 12 feet to 45 feet at telephoto. Keep camera level and steady. Camera movement is especially noticeable when the lens is used in the telephoto position.

OUTDOOR MOVIES

A built-in orange filter, positioned behind the lens, adjusts the camera to outdoor work with indoor film.

Clear and hazy sunlight coming from behind or from either side of the camera is best for outdoor movies. Backlighted scenes (camera facing the sun) should be avoided.

Fig. 12

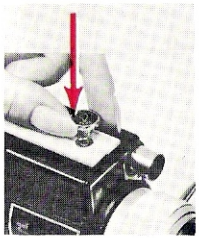

Fig. 13

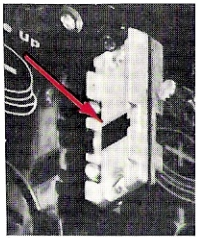

Fig. 14

INDOOR MOVIES

"Indoor" means movies made under artificial lighting. Movies made indoors by daylight are to be handled as "outdoor" movies. All GAF® movie light models, available as accessories, fit into the socket on top of the camera (Fig. 12). Attaching the movie light automatically adjusts the camera to indoor filming by removing the daylight filter from the optical system. If a movie light of a type that does not fit into the socket, a floodlight or existing artificial light is used, adjust the camera to indoor filming by screwing the movie light plug (packed with camera) into the movie light socket (Fig 13).

CAMERA CARE

Protect the camera from dirt, rain, dampness, and excessive heat. Avoid touching the lens. To clean lens, breathe on it first, then wipe it gently with a soft, lintless cloth or tissue. Do not use chemically treated eyeglass tissues as they might damage the lens coating.

Clean out the interior of the camera occasionally with a camel-hair brush, paying special attention to the film gate (Fig. 14). Do not attempt to remove or oil any part of the camera. If anything goes wrong, don't try to repair it. Take it to a dealer,

or send it to the nearest GAF Consumer Photo Service Center shown in the following list:

GAF Corporation
Consumer Photo
Service Center

Emma Street,
Binghamton, N.Y. 13902

3500 North Kostner Ave.
Chicago, Ill. 60641

16217 Kittridge Street,
Van Nuys, California 91406

39-22 30th Street,
Long Island City, N.Y. 11101

P.O. Box 490
Portland, Ore. 97207

IN CANADA

GAF (Canada) Ltd.
Consumer Photo
Service Center

2403 Stanfield Road,
Mississauga, Ont.

9411 Cote De Liesse
Montreal 760, Quebec

1195 West 8 Ave.,
Vancouver 9, Brit. Col.

PROJECTORS

Simple-to-operate, fully automatic GAF® movie projectors provide "theater quality" projection for home movies; they accommodate both Super 8 and regular (double) 8 mm films.

FILM

Use GAF® Color Movie Film Super 8 for thrilling home movies in sparkling color. Available at photo dealers.

GAF Corporation
140 West 51 Street, New York, N.Y. 10020

WARRANTY

GAF Corporation warrants the GAF 64R movie camera to be free from defects in material and workmanship for a period of twelve (12) months from the date of original purchase. The camera will be repaired or replaced, if necessary, without additional charge to the purchaser, if returned to an authorized GAF repair agency or to the nearest GAF Consumer Photo Service Center shown in the list on page 9, specifying the difficulty encountered, the name and address of the selling dealer and the exact date of purchase. GAF does not make, and shall not be liable for, any warranty of fitness for a particular purpose or merchantability or any other warranty whatsoever, express or implied, with respect to the GAF 64R movie camera except as hereinabove specified.

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